

## FLASHLIGHT WITH SELECTABLE OUTPUT LEVEL SWITCHING

### Abstract

A flashlight having a lamp, a power storage element, a switch, and an electronic controller. The controller has a switch input connected to the switch and operates in response to the input to deliver power from the power storage element to the lamp. The controller may be directly connected to each of the lamp, source, and switch. The switch may include several separate contact elements operating sequentially in response to movement of a switch actuator. The controller may provide different illumination levels and functions in response to different pressures and durations of actuation. The flashlight may include a dimmer level control to establish an intermediate "dimmed" output level, and operate to provide the selected dimmed output when the switch is depressed by an intermediate amount, and to provide a greater maximum output level in response to full actuation of the switch.